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APPLICANT:

SEED CO LTD;

CH₂=C-C-O-(CH₂ + O-P-O

(1)

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INVENTOR:

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INT.CL.

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(II)

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· TITLE

IONIC OCULAR LENS AND OCULAR

LENS HAVING DRUG-SUSTAINED RELEASING PROPERTY USING IT

ABSTRACT:

PROBLEM TO BE SOLVED: To provide an ocular lens that comprises an ionic polymer gel having transparency and shape stability adequate for a practical use as an ocular lens and is excellent in the effect of drug-sustained release having a cationic substituent and to provide an ocular lens having the drug-sustained release using it.

SOLUTION: The ionic ocular lens is characterized in that it comprises a copolymer of a hydrophilic monomer, at least one kind selected from a methacrylate having in the side chain a phosphoric acid group represented by structural formula (1) and a methacrylate having in the side chain a phosphoric acid group represented by structural formula (II) and a monomer copolymerizable with these components. The ocular lens having the gradual drug-releasing property uses the ionic ocular lens.

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